Met Office

June 2017

The averaging period used for the following assessment was 1981-2010.

The first part of June was largely unsettled, bringing significant amounts of rainfall to most areas. England and Wales became more settled after the 10th, with a build in pressure, though rain-bearing fronts continued to steer round the northern edge of the high pressure with western Scotland remaining wet at times. Very warm air was drawn up from the south from the 16th onwards, and every day from 17th to 21st somewhere in the UK exceeded 30 °C. The highest value recorded during this spell was 34.5 °C, at Heathrow Airport on the 21st, and this was the UK's highest temperature reading in June since 1976. Fresher air moved in over the whole UK within the following two days, and low pressure became established for the last four days of the month bringing plenty of rain in many areas.

The UK mean temperature was 14.5 °C, which is 1.5 °C above the 1981-2010 long-term average, making it the equal fifth warmest June in a series from 1910. Temperatures were highest relative to normal in eastern counties of England. Rainfall was well above normal over large parts of the country, with up to three times the average amount in parts of southern and eastern Scotland, though a few places in the English Midlands and the Outer Hebrides came in just below average. The UK overall had its eighth wettest June in a series since 1910, and for Scotland it was the second-wettest June in that period. Sunshine was above average in south-east England, but below average in northern and western areas of the UK.

The UK monthly extremes were as follows: A maximum temperature of 34.5 °C was recorded at Heathrow (Greater London) on the 21st. A minimum temperature of -2.3 °C was recorded at Altnaharra (Sutherland) on the 8th. In the 24 hours ending at 0900 GMT on the 7th, 126.7 mm of rain fell at Bogmuchalls (Banffshire). A wind gust of 60 knots (69 mph) was recorded at Inverbervie (Kincardineshire) on the 7th.

Weather impacts

Most of the weather impacts worthy of note this month centred around heavy rainfall, some of it thundery in nature. Thundery downpours during the afternoon and evening of the 2nd across East Anglia, London and parts of SE England caused localised flooding, with some disruption to trains, roads, and at Stansted Airport.

Persistent rain fell across much of the country on the 5th/6th, together with some unseasonably strong winds across England and Wales. Tragically, on the 6th three men died in Plymouth when their van overturned, and there were two deaths due to trees falling on cars, one in Hampshire and the other in Perthshire. Over 300 homes and businesses in Devon and Cornwall lost power, and fallen trees were reported across a wide area, bringing down overhead power lines, while floods also blocked some major roads. Localised flooding also affected eastern Scotland, including Edinburgh's trams and the Inverness to Aberdeen rail line.

The 17th was the start of several days of notably hot weather across England and Wales, with maxima exceeding 30 °C somewhere for 5 consecutive days – the first time this has happened in June since 1995. Impacts from the hot weather sadly included a further two fatalities, with two teenage boys drowning in separate reservoir incidents in Rochdale and Walsall. The heat also affected train services in south Wales, and over 90 trains were cancelled or disrupted across Norfolk, Suffolk and Essex. A road bridge in Lowestoft, Suffolk became stuck after the mechanism seized due to high temperatures, and roads in Cambridgeshire and Norfolk reportedly started to melt.

On the 21st there was a risk of large hail, frequent lightning and gusty winds. Localised flooding was reported in north-east England and lightning strikes were reported across northern England. On the 22nd, roofs were

damaged by lightning in Kent, North London and Leicestershire, power cuts were reported across Kent, while Thameslink, Southern and Greater Anglia train services were all affected by lightning strikes.

On the 27th, lightning strikes caused more rail disruption between East Anglia, Essex and London. Localised flooding was also reported on roads in the south-east. More persistent rain and strong winds across southern and eastern England on the 28th led to minor disruption to road, ferry and rail travel.

England diary of highlights

The first ten days of June were changeable, with mainly westerly winds, but rather warm, especially in eastern counties, and it was quite windy at times. After that came a dry, sunny and increasingly hot spell which affected much of the south between the 13th and 21st, and spread to cover all areas between the 17th and 19th. This spell brought the highest temperatures in June since 1976. After a thundery breakdown for some, it was generally cloudy from the 22nd onwards and turned very wet in many areas in the last few days.

The mean temperature for June was 1.9°C above the 1981-2010 long-term average, making it the joint second warmest June in a series from 1910, behind only 1976. Rainfall was 133% of average, and it was a notably wet June over much of the north and in Cornwall, with parts of the north having more than twice the long-term average. It was a sunny June in the south-east but a rather dull one in the north-west, with 103% of average sunshine overall.

1st to 4th

The 1st was dry and sunny in central and eastern parts but became cloudy and wet in the west. Heavy showers turned thundery across parts of the south-east on the 2nd, where it was very warm with 26.8 °C recorded at Gravesend (Kent). Rain cleared the east early on the 3rd before sunshine and showers developed over the west from late morning. Rain in the south-west moved eastwards during the day on the 4th, while the north had a mostly sunny day but it turned showery later.

5th to 12th

Dry in the east initially on the 5th but rain, locally heavy, over western parts spread to all areas by evening. Persistent heavy rain across eastern districts on the 6th brought 58.0 mm to Loftus (North Yorkshire) while south-western parts were brighter and breezy with some showers. After a dry and bright start on the 7th, rain spread from the west later, reaching central areas by dusk. The 8th was a wet day with rain clearing north leaving intense showers across southern parts. Showers across the west on the 9th decayed before more general rain reached the far south-west by evening. It was very wet from the north Midlands northwards on the 10th, and the rain moved south-eastwards before ceasing later. It was dry and sunny in the south and east on the 11th, but showery and mostly cloudy in the north-west. The south-east saw sunshine on the 12th, but there were showers over the north and more general rain reached the Midlands during the evening.

13th to 16th

Early rain across the Midlands on the 13th quickly cleared with southern parts staying sunny and very warm but it was cloudier in the north. The 14th was sunny and very warm from the Midlands southwards but the north remained cloudy with patchy rain. The 15th was mainly cloudy with patchy rain in the north, but it was drier, sunnier and warmer across the south-east. The 16th was a mainly dry day with sunny spells for the south and feeling warm, but it was cloudy in the north-west.

17th to 21st

The 17th was mostly sunny, dry and very warm with temperatures reaching 30 °C in the London area. The 18th was the sunniest day of the month with 16.2 hours of sunshine at Hastings and a highest temperature of 32.1 °C at Hampton Water Works (Greater London). The 19th was hot and sunny again with 32.4 °C recorded

at Northolt. The 20th was again hot and sunny from the Midlands southwards with 31.4 °C reached at Heathrow (Greater London) but isolated thunderstorms developed across South Lincolnshire, the Wash, North Norfolk and some northern areas, but it was cooler and cloudier over much of the north. The 21st was the hottest day of the month in the south and also the hottest June day since 1976 with 34.5 °C recorded at Heathrow (Greater London) while there were scattered heavy showers and thunderstorms elsewhere.

22nd to 30th

A change to cooler, cloudier conditions began on the 22nd after early thunderstorms across East Anglia and the south-east followed by rain bands in the north. It was warm and sunny across London and Kent on the 23rd but otherwise cloudy, and it was wet and windy in the north. The 24th was a rather breezy day with patchy rain across English Channel counties, brighter further north. Showers persisted over the north-west and central southern counties on the 25th; the north-east was sunny but the south-east saw more cloud. A bright start for most places on the 26th before increasing cloud brought patchy rain to western areas. It was wet in the north early on the 27th, with showers further south and east turning heavy and thundery from late morning with 90.2mm of rain at Santon Downham (Norfolk). It was cloudy with patchy rain for the Midlands and south-east on the 28th but very wet for the north and south-west. The 29th was cloudy and unsettled with persistent rain across northern districts and the far south-west later. The 30th had heavy showers across the far south-east with cloud and patchy rain in the west.

Wales diary of highlights

The month started changeable with westerly winds. This rather wet regime persisted until the 12th, and it was also windy at times. A marked hot sunny spell then followed, which peaked between the 17th and 21st, with temperatures in excess of 30 °C in places, but generally cloudy wet weather returned from the 22nd.

The mean temperature for June was 1.5 °C above the long-term average, and it was the joint 5th warmest June in a series from 1910. Rainfall was well above average in the west, with more than twice the normal amount in Pembrokeshire and Anglesey, but closer to average in the east, with 153% of average overall. Sunshine was 93% of average, and it was cloudier than average in the north with nearer average sunshine in the south.

1st to 4th

The 1st started mostly dry with rain in northern parts decaying before further rain arrived towards nightfall, continuing into the 2nd but becoming patchier later with brighter spells along the Ceredigion coast. After a cool night, with a minimum of 1.9°C at Swyddffynon (Dyfed), the 3rd began sunny but showers developed later. The 4th started wet in the south, the rain spreading to all parts by late morning, but it turned dry and sunny in the afternoon.

5th to 12th

It was very wet throughout on the 5th with 81.4 mm of rainfall recorded at Capel Curig (Gwynedd). Overnight rain turned patchy on the 6th leaving sunshine and showers in a strong north-westerly breeze, and gusts reached 61 mph at Capel Curig (Gwynedd). A promising start on the 7th turned quickly wet with heavy rain for western parts, with totals widely between 20 and 40 mm. Another wet day followed on the 8th with 21.6 mm recorded at Cardiff Bute Park (South Glamorgan). Sunshine and frequent showers to start the 9th, but it turned dry by mid-afternoon. It was cool, wet and breezy on the 10th, the rain not clearing away until mid-evening. Bright but very windy with showers or longer spells of rain on the 11th. The south and west were sunny on the 12th, and showers in central areas cleared before more general rain crossed the country later.

13th to 16th

Rain early on the 13th cleared to leave a dry but rather cloudy day. It was sunny on the 14th with temperatures into the mid-20s Celsius in places. The 15th was mainly cloudy, morning rain clearing east with a dry afternoon and evening. The 16th was dry and fairly cloudy but there were some sunny spells as well, and it became warm.

17th to 21st

The 17th was mostly sunny, dry and very warm with a high of 28.2 °C at Usk (Monmouthshire). The 18th was another sunny and very warm day with 15.6 hours of sunshine recorded at Hawarden (Clywd). The 19th was sunny, dry and hot in the south with 30.2 °C recorded at Usk. Another widely sunny, dry and very warm day on the 20th with 14.2 hours of sunshine at Valley (Anglesey) and 30.7 °C reached at Cardiff Bute Park (South Glamorgan). A very warm day on the 21st with temperatures approaching 30 °C for many, and the month's highest temperature of 31.0 °C was recorded at Cardiff Bute Park.

22nd to 30th

The 22nd was cooler and cloudier with early showers across northern districts, then turning wetter later. The 23rd was cloudy and wet with bands of rain tracking southwards. It was cloudy and cool with rain or showers on the 24th. The 25th was another cloudy day and more showery rain persisted into the evening. The 26th had a bright start before clouding over in late afternoon with some patchy rain for western and northern parts. Wet for the north and west during the morning of the 27th, but the rain turned lighter and patchier later. It was cloudy and wet on the 28th, especially around western coasts. A cloudy, unsettled day on the 29th, and it turned increasingly wet during the evening. The 30th was cloudy with patchy rain for western districts, heaviest through Pembrokeshire.

Scotland diary of highlights

The month's weather was generally cloudy, unsettled and wet until the 11th, and windy at times. It turned quieter mid-month and became hot in places between the 17th and 21st, but from the 22nd onwards it was often cloudy and wet.

The mean temperature for June was 0.8 °C above the long-term average, although the mean maximum temperature was a little below average in parts of the west. It was the second-wettest June in a series from 1910 (behind June 1938), with 172% of average rainfall: much of the country was significantly wetter than average, with the exception of parts of the Western Isles. It was also the second-dullest June in a series from 1929, with 71% of average sunshine.

1st to 4th

A dry, bright start on the 1st before rain edged in from the west during the day, reaching eastern areas by late afternoon. The 2nd saw sunshine and scattered showers, northern areas seeing the heaviest and most frequent showers. After a sunny start to the 3rd, showers developed over the west from late morning and became widespread, although it stayed largely dry in the south. The 4th started with showers over the south-west, which spread to all parts over the course of the day.

5th to 11th

It was wet virtually everywhere to start the 5th, but the rain became lighter and more showery during the afternoon. Another wet day across most districts on the 6th, particularly in the east with 78 mm recorded at Nunraw Abbey (East Lothian) and Torwinny (Moray) recording the month's highest total with 112.4 mm. The 7th was mostly dry and bright, especially across central areas, but breezy with a 69 mph gust at Inverbervie (Kincardineshire). The 8th began chilly with a minimum of -2.3 °C at Altnaharra (Sutherland), and turned wet everywhere, with continuous rainfall amounting to 28.2 mm at Dalwhinnie (Highland). Most places were wet on the 9th, the rain gradually clearing from the north and dying away altogether by dusk. Another wet day

followed on the 10th with rain clearing away eastwards during the day, but showers developed over western areas later. It was windy on the 11th, with showers in central and southern parts on the 11th spreading to all parts by evening.

12th to 16th

It was sunny across the south-east on the 12th, but cloudy with scattered showers elsewhere. The 13th was generally cloudy with some isolated showers initially, becoming wet in most places during the afternoon. It was cloudy again on the 14th with patchy rain in most areas during the day. The 15th was mainly cloudy, with rain then scattered showers crossing the country, but drier across the far north-west. Cloudy on the 16th with rain in the north-west moving eastwards through the day, but drier across the south and east.

17th to 21st

The 17th was mainly cloudy with some patchy rain across the Northern Isles and north-west Highlands, brighter down the east coast, and feeling very warm with temperatures reaching the mid-twenties Celsius in sunnier spots. The 18th was a mainly cloudy day with patchy rain across the north-west Highlands, but drier with sunshine developing across the south-east and a top temperature of 25.1 °C at Aboyne (Aberdeenshire) and Edinburgh Royal Botanic Gardens. A cloudy day on the 19th with patchy light rain across northern parts, but warm with the month's highest temperature of 27.3 °C recorded at Floors Castle (Roxburghshire). Dry, warm and sunny on the 20th with 15.1 hours of sunshine recorded at Prestwick (Ayrshire). The 21st was warm, but cloudy with heavy showers developing across the Grampians and east coast generally later.

22nd to 30th

It was largely dry on the 22nd before cooler conditions and bands of rain spread to all parts later. The 23rd saw rain accompanied by strengthening winds develop across the north-west Highlands and Pentland Firth. The 24th was largely bright but breezy with winds up to 56 mph across Shetland and it turned showery across northern parts from early evening. Sunny over the south and east on the 25th, but showers over the west spread eastwards and persisted until evening. It was generally cloudy on the 26th with showery rain in places, particularly over the Grampians. The far north stayed dry on the 27th with heavy rain elsewhere turning lighter and patchier later. It was sunny over the Western Isles on the 28th, otherwise cloudy but mainly dry before rain crossed the Borders during the evening. The 29th saw rain for all, especially persistent across the Central Lowlands with 26.6 mm recorded at Auchincruive (Ayrshire). The 30th was a mostly cloudy day with rain across the north-east but brighter across the Western Isles.

Northern Ireland diary of highlights

June started with a changeable westerly regime, and most of the month continued cloudy and wet and breezy at times. It was particularly wet between the 4th and 8th, but there was a spell of warm and mostly dry weather from the 17th to 21st.

The mean temperature for June was 1.0°C above the long-term average. Rainfall was 135% of average, with up to double the average rainfall in the south but near average rainfall in the far north. Sunshine was near average in parts of the east but well below average in the north-west, with 77% of average overall.

1st to 4th

It was wet throughout on the 1st. The 2nd was bright, with 11.5 hours of sunshine at Aldergrove (County Antrim), but became showery. The 3rd had a mix of sunshine and showers. The 4th had a sunny start with showers developing from late morning, and these persisted until evening when more general rain arrived.

5th to 11th

Showers developed by midday on the 5th with more general and locally heavy rain moving into the south later. It was showery again on the 6th, particularly in the north. A bright and breezy start to the 7th but it turned wet for all parts later, the rain heaviest across County Down. Heavy rain throughout on the 8th gave 36.8 mm at Lough Fea (County Londonderry). Sunshine and showers on the 9th, but clouding over with rain reaching western parts by evening. Early morning rain on the 10th cleared away eastwards followed by brighter weather with showers. It was cloudy and windy with showers on the 11th, and the showers merged and intensified to give a very wet afternoon.

12th to 16th

It was generally cloudy with some patchy light rain or showers on the 12th and 13th. The 14th was also cloudy with patchy rain and turned wet into the evening. The 15th was a day of sunshine and scattered showers, but the showers eased towards evening. A mainly dry day on the 16th with fairly cloudy skies but some bright spells, and it turned warm.

17th to 21st

The 17th was mainly cloudy but dry with sunshine developing into the afternoon and evening. The 18th was a mainly cloudy day with some patchy rain across the north in the afternoon, but sunshine broke through in the south-east with a maximum temperature of 25.6 °C at Helens Bay (County Down). It was drier on the 19th, still with cloudier skies in the north, but with more widespread sunshine and warmth in the south. A dry, warm and sunny day followed on the 20th with 14.2 hours of sunshine recorded at Aldergrove (County Antrim). Another warm day across the Province on the 21st and Peatlands (County Armagh) reached the month's highest temperature of 26.2 °C.

22nd to 30th

The 22nd was cooler and increasingly cloudy with bands of rain and showers affecting all parts from late afternoon. Overnight rain cleared south, leaving a breezy day on the 23rd and occasionally thicker cloud with outbreaks of patchy rain. The 24th was a breezy day with winds of up to 40 mph along the east coast, brightest in the west with showers over north-western parts later. It was cloudy and cool on the 25th with patchy rain in places. A bright start to the 26th with the lowest temperature of the month of 0.0 °C reached at Katesbridge (County Down), before it clouded over and rain spread to all parts in the afternoon. A wet morning on the 27th gave way to sunshine and heavy showers in the afternoon. The 28th was cloudy and wet, but the rain cleared away westwards in the evening. The 29th was cool and overcast with rain spreading through mostly central parts after midday. The 30th was a dry but cloudy day after overnight patchy rain.

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